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› Flinthill 24-Inch Natural Gas Manual Fireplace Log Insert User Manual

Flinthill VFDM24LBN

Flinthill 24-Inch Natural Gas Manual Fireplace Log Insert User Manual

Model: VFDM24LBN

1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your Flinthill 24-Inch Natural Gas Manual Fireplace Log Insert (Model VFDM24LBN). Please read all instructions carefully before installation and use. Retain this manual for future reference.

WARNING: This product can expose you to chemicals including carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2. INCLUDED COMPONENTS

Your Flinthill Fireplace Log Insert package includes the following items:

- Ceramic Fiber Gas Logs (24-inch set)
- Empire Contour Burner
- Manual Pilot Valve with 3-position control knob (High/Medium/Low)
- Piezo Ignitor
- Burner Tube
- Pilot Assembly

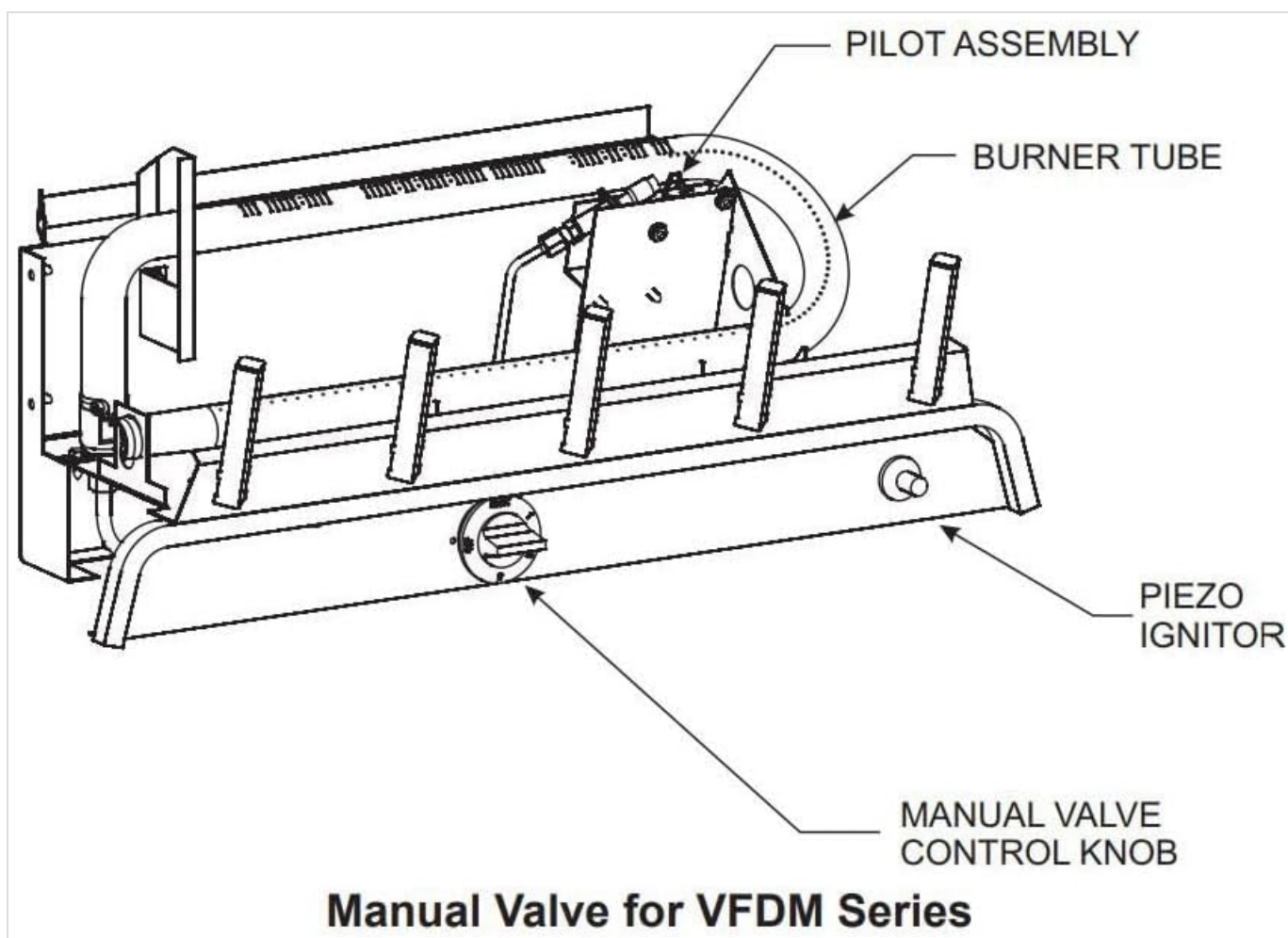
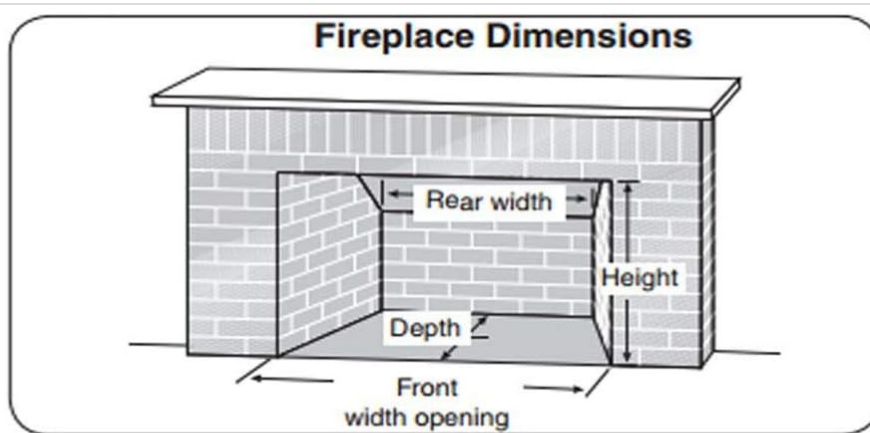


Figure 2.1: Empire Contour Burner Assembly

3. SETUP AND INSTALLATION

3.1. Firebox Requirements

Ensure your fireplace firebox meets the minimum dimensions required for safe operation. Refer to the diagram and table below for specific measurements.



Note: It is recommended that complete firebox dimensions (front width, back wall, and height) be obtained to ensure proper sizing.

Vent-Free Contour Burner & Log Set Combinations

Model	Log Set Description	Btu Input	Fits Empire Model	Minimum Firebox Dimensions				Ship Wt. (lb)
				Front Width (inches)	Rear Width (inches)	Depth (inches)	Height (inches)	
VFDR-18LB10	Flint Hill, 5-piece	10,000	VFD32FB, VFP32, VFS32FB	28	17	12	17	21
VFD(M,R,T)-18LB	Flint Hill, 5-piece	28,000	VFD32FB, VFP32, VFS32FB	28	17	12	17	21
VFD(M,R,T)-24LB	Flint Hill, 5-piece	34,000	VFD32FB, VFP32, VFS32FB	30	23	12	18	22
VFD(M,R,T)-30LB	Flint Hill, 7-piece	40,000	VFD36FB, VFP36, VFS36FB	34	26	12	20	27
VFDR-18LBW10	Whiskey River, 7-piece	10,000	VFD32FB, VFP32, VFS32FB	28	17	12	17	48
VFD(M,R,T)-18LBW	Whiskey River, 7-piece	28,000	VFD32FB, VFP32, VFS32FB	28	17	12	17	48
VFD(M,R,T)-24LBW	Whiskey River, 7-piece	34,000	VFD32FB, VFP32, VFS32FB	30	23	12	18	54
VFD(M,R,T)-30LBW	Whiskey River, 7-piece	40,000	VFD36FB, VFP36, VFS36FB	34	26	12	20	67

Figure 3.1: Fireplace Dimensions and Compatibility Chart

Note: It is recommended that complete firebox dimensions (front width, back wall, and height) be obtained to ensure proper sizing.

3.2. Fuel Type Verification

This Flinthill log insert (Model VFDM24LBN) is designed exclusively for **Natural Gas**. Do not attempt to use it with propane or any other fuel type. Verify your gas supply is Natural Gas before installation.



Figure 3.2: Example of a Propane Gas Indicator (This product uses Natural Gas)

3.3. Log Placement

Carefully arrange the ceramic fiber gas logs on the burner grate according to the manufacturer's instructions provided with the log set. Proper log placement is crucial for efficient burning and aesthetic appearance. Ensure logs do not obstruct the pilot light or burner ports.



Figure 3.3: Flinthill Log Insert in Operation

4. OPERATING INSTRUCTIONS

4.1. Lighting the Pilot

1. Ensure the manual pilot valve control knob is in the "OFF" position.
2. Wait at least five (5) minutes to clear any gas.
3. Turn the control knob to the "PILOT" position and push in.
4. While holding the knob in, repeatedly press the Piezo Ignitor button until the pilot flame ignites.
5. Continue to hold the control knob in for approximately 30-60 seconds after the pilot lights to allow the thermocouple to heat up. Release the knob; the pilot should remain lit. If it extinguishes, repeat steps 3-5.

4.2. Lighting the Main Burner

1. Once the pilot is lit, turn the manual pilot valve control knob to the desired setting: "LOW", "MEDIUM", or "HIGH".

2. The main burner will ignite, and flames will appear through the log set.

4.3. Turning Off the Unit

1. To turn off the main burner, turn the manual pilot valve control knob to the "PILOT" position. The main burner will extinguish, but the pilot will remain lit.
2. To turn off the entire unit, including the pilot, turn the control knob to the "OFF" position.

5. MAINTENANCE

Regular maintenance ensures safe and efficient operation of your log insert.

- **Annual Inspection:** Have a qualified service technician inspect the burner, pilot assembly, and gas connections annually.
- **Cleaning Logs:** Periodically, gently brush the ceramic logs with a soft brush to remove any dust or soot. Handle logs carefully as they are fragile.
- **Burner Cleaning:** Keep the burner ports free of dust and debris. Use a vacuum cleaner with a brush attachment if necessary.
- **Pilot Assembly:** Ensure the pilot flame is strong and blue, enveloping the thermocouple. Clean any dust from the pilot assembly.
- **Vent-Free Operation:** As this is a vent-free unit, ensure adequate ventilation in the room during operation as per local codes and manufacturer guidelines.

6. TROUBLESHOOTING

If you encounter issues with your Flinthill log insert, refer to the following common troubleshooting steps:

- **Pilot will not light:**
 - Ensure gas supply is on.
 - Check if the control knob is fully depressed in the "PILOT" position.
 - Verify the Piezo Ignitor is sparking. If not, check for obstructions or a faulty ignitor.
 - Clean the pilot assembly for any debris.
- **Pilot lights but main burner does not:**
 - Ensure the pilot flame is strong and consistently heating the thermocouple.
 - Check that the control knob is turned to a "LOW", "MEDIUM", or "HIGH" setting.
 - Inspect burner ports for obstructions.
- **Flames are yellow or sooty:**
 - This may indicate improper log placement or a dirty burner. Adjust logs or clean burner ports.
 - Ensure proper air circulation in the room.

For persistent issues, contact a qualified service technician.

7. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Brand	Flinthill
Model Number	VFDM24LBN
Fuel Type	Natural Gas
Heat Output	40,000 BTU
Product Dimensions	14"D x 24"W x 27"H
Chamber Width	24 Inches
Material	Ceramic Fiber (Logs), Ceramic (Burner)
Finish Type	Painted
Installation Type	Built-In
Ventilation Type	Vent-Free
Control Type	Manual Pilot Valve (3-position: High/Medium/Low)
Ignition Type	Piezo Ignitor
Item Weight	23 Pounds
UPC	720968992161
Manufacturer	Empire

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please contact the manufacturer, Empire, or your authorized Flinthill dealer. Keep your purchase receipt and model number (VFDM24LBN) readily available when contacting support.

Contact information can typically be found on the product packaging or the manufacturer's official website.

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